

Product datasheet for **MR204416L4V**

Slc25a1 (NM_153150) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Slc25a1 (NM_153150) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Slc25a1
Synonyms:	1300019P08Rik; 2610100G11Rik; AI194714; Ctp; Dgsj; Slc20a3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_153150
ORF Size:	936 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR204416).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_153150.1
RefSeq Size:	1695 bp
RefSeq ORF:	936 bp
Locus ID:	13358
UniProt ID:	Q8JZU2
Cytogenetics:	16 11.11 cM



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Gene Summary:

Citrate transporter that mediates the exchange of mitochondrial citrate for cytosolic malate. Also able to mediate the exchange of citrate for isocitrate, phosphoenolpyruvate, cis- but not trans-aconitate and to a lesser extend maleate and succinate. Important for the bioenergetics of hepatic cells as it provides a carbon source for fatty acid and sterol biosyntheses, and NAD(+) for the glycolytic pathway. Required for proper neuromuscular junction formation. [UniProtKB/Swiss-Prot Function]